



# PROGRAM OVERVIEW AND INFORMATION

10<sup>th</sup> Hutton Symposium on  
Granites and Related Rocks

Baveno, Italy

10<sup>th</sup> – 15<sup>th</sup> September 2023



**ETH** zürich



Clermont-Ferrand Centre for Volcano Research



UNIVERSITÀ DEGLI STUDI  
DI MILANO  
DIPARTIMENTO DI SCIENZE  
DELLA TERRA "ARDITO DESIO"



Università  
di Catania



**BAVENO**  
CITTA' DEL GRANITO



## Table of contents

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<b>Table of contents</b> .....	<b>3</b>
<b>Word of introduction</b> .....	<b>4</b>
<b>Program overview</b> .....	<b>5</b>
<b>Detailed program of oral presentations</b> .....	<b>6</b>
Monday, September 11 <sup>th</sup> – Granites in geodynamic sites, planets and time .....	6
Monday, September 11 <sup>th</sup> – Special presentations.....	6
Tuesday, September 12 <sup>th</sup> – Genesis of granitic magmas: Competing models, competing processes.....	6
Thursday, September 14 <sup>th</sup> – Architecture of crustal magmatic systems and rate of magmatic processes .....	7
Friday, September 15 <sup>th</sup> – Fluids in and around granites.....	8
Friday, September 15 <sup>th</sup> – Special session “past and future” .....	9
<b>Practical information</b> .....	<b>9</b>
Venue.....	9
Icebreaker .....	9
Coffee and lunch breaks.....	9
Instructions for authors .....	10
Mid-conference field trip .....	10
Travel information – railway works between Milano and Baveno .....	10
<b>Social events</b> .....	<b>10</b>
Wine tasting .....	10
Conference dinner.....	10
Farewell party.....	11
Activities proposed jointly with the city of Baveno .....	11
<b>Code of conduct</b> .....	<b>11</b>
<b>Health and safety</b> .....	<b>12</b>
Nearest hospital .....	12
Physicians.....	12
Safety on field trips.....	12
<b>Useful addresses</b> .....	<b>13</b>
Tourist information centre.....	13
Train station .....	13
Printing shops .....	13
<b>Contact information of organizers and helpers</b> .....	<b>13</b>
Conference coordinators .....	13
Other executive committee members .....	13
Conference helpers .....	14
<b>Baveno city map</b> .....	<b>15</b>

## Word of introduction

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Welcome to the X<sup>th</sup> Hutton Symposium!

The first Hutton conference happened in Edinburgh in 1987. It turned out to be the first of a very successful series of conferences, attracting more than 200 scientists each time. Over the years, the Hutton conferences established themselves as the meeting point of the granite community, and they reflected the evolution of granite science over nearly 40 years. From pluton emplacement to geodynamics, to the origin of magmas, geochronology, the development of analytical techniques and modelling tools, “granitology” is a window into modern petrology and, more broadly, geology.

Models, questions, themes and even fashions have changed in 40 years. This Symposium will, similar to its predecessors, highlight the current debates and discussions, and points of disagreement, that exist in the granite community. We devised this conference to offer a forum to confront opinions, discuss models, debate ideas. Hopefully, it will help our community to crystallize on new scientific questions in this age-old scientific pursuit of understanding the formation of the Earth’s crust.

There are talks, of course. In line with the previous Hutton Symposiums, we give a large space to keynote presentations, with the aim to offer an up-to-date overview of a range of topics. Departing with the format of the previous conferences however, we also include a much larger number of “regular” talks, to showcase a diversity of views and approaches, and give the stage to the younger generation. The oral program was built through the hard work of a scientific committee, who did their best to offer a comprehensive and balanced program.

Posters, as usual in Hutton conferences, will feature very centrally. We hope they will be the hub of the conference – the meeting place, where delegates will spend most of their time outside of talks, discussing and debating in an inspiring setting along the Lago Maggiore.

The organizers strongly believe that the observation of geological objects is and remains at the core of good geological studies. You will notice some large photographs in the poster room – interesting, weird or enigmatic field features, selected to pique your curiosity and give you an opportunity to speculate and share your views. There will be a field trip to visit the famous crustal cross section, in the middle of which we will be spending the whole week, the Ivrea-Verbano Zone – it will be the opportunity to discuss a range of topics, from crustal melting to fractionation of mafic melts, through volcanic/plutonic connection, geochronology, phase equilibrium and more. One day in the field is not enough of course, and thus we organised a small display with maps, samples, thin sections, and whole rock analyses to give you a chance to carry on the discussion and explore for yourself the depth of the Ivrea-Verbano crustal cross section. And of course, there are longer field trips, both before and after the conference. Many people have been involved in organizing and running these activities, and in that sense this Conference is already a community effort.

Good discussions require good company (which you supply), but also a friendly and relaxed environment, and pleasant surroundings. We trust you will enjoy Baveno! As you will see, we included a range of social activities, including a gala dinner and a wine tasting event after the mid-conference field trip, to which we hope you will take part: beyond the chance to relax and enjoy Italian lifestyle, we hope that they will give you more chance to socialize and discuss in an informal setting. All of this requires a lot of planning and work on site, and we have a great logistic and support team helping us with all sort of practical aspects.

Organizing this conference has been a team effort. We are fortunate to have some rather generous sponsors (you will notice their logos), whose help has allowed to offer a generous hospitality package and slate of activities – but also, critically, to support the travel and participation of many of delegates, who may otherwise not have been able to attend the Symposium. We also benefited from the help and dedication of many people, scientific committee, organizing committee, field trip leaders, logistic helpers and more – collectively, they made this conference possible.

Finally, the last activity of this Symposium will also be the first one of the next Hutton – as we will vote and collectively decide for the location and organizing group of the XI<sup>th</sup> Hutton Symposium!

We wish you a great conference,

The organizers,  
Olivier BACHMANN  
Federico FARINA  
Jean-François MOYEN

## Program overview

	Sunday 10 <sup>th</sup> Sept.	Monday 11 <sup>th</sup> Sept.	Tuesday 12 <sup>th</sup> Sept.	Wednesday 13 <sup>th</sup> Sept.	Thursday 14 <sup>th</sup> Sept.	Friday 15 <sup>th</sup> Sept.	Saturday 16 <sup>th</sup> Sept.	
8:30		Opening session						
8:45			Sisson		Cruden	Li		
9:00		Bonin				Lamont		
9:15			Schoonover			Ruprecht		
9:30		Bauer	Muniz Da Silva		Holness	Nathwani		
9:45			Pang			Troch		
10:00		Coffee	Coffee		Coffee			
10:15						Coffee		
10:30		Janousek			Delph			
10:45		Yang	Carvalho					
11:00					Barnes	Driesner		
11:15		Oliveros	Torres Garcia Passos do Carmo		Schwartz			
11:30		Victoria	Kumar		Tavazzani	Magnani		
11:45		Tikoff	Wallrich		Weber	Witcher		
12:00		de Saint Blanquat	Grocolas		Burgisser			
12:15		Lackey	Dan		Burchardt	Keller		
12:30								
12:45				Field trip to the Ivrea Zone (Sesia Magmatic System)			Various activities offered by Baveno municipality	
13:00		Lunch	Lunch		Lunch	Lunch		
13:15								
13:30								
13:45								
14:00								
14:15		Jolliff	Bucholz			Schaltegger		Posters Theme 3 + 4
14:30								
14:45		Economos	Spencer			Ubide		
15:00		Glotch	García-Arias					
15:15		Coffee	Coffee		Coffee	Coffee		
15:30								
15:45			Collins		Pimenta Silva	Bids for Hutton XI and vote		
16:00		Introduction to Ivrea Zone	Klein		Payacan			
16:15			Onken		Pamukcu			
16:30			Zeiss presentation	Koepke		Melnik		
16:45					Townsend	Special final session "past and future"		
17:00								
17:15	Registration	Posters Theme 1 + 2	Posters Theme 1 + 2		Posters Theme 3 + 4			
17:30								
17:45			Discussion on field photos		Discussion about Eurogranite & community driven DOA journal	Vote results Poster awards Closing and farewell party		
18:00								
18:15	Icebreaker			Wine tasting				
18:30								
18:45								
19:00								
19:15								
19:30								
19:45								
20:00								
20:15					Conference dinner			
20:30								
20:45								
21:00								
21:15								
21:30								

Theme 1 KN    Theme 2 KN

Theme 1 oral    Theme 2 oral

Theme 3 KN    Theme 4 KN

Theme 3 oral    Theme 4 oral

## Detailed program of oral presentations

### Monday, September 11<sup>th</sup> – Granites in geodynamic sites, planets and time

- ◆ **08:45 - 09:30 – The oldest granitoids in terrestrial planets - A bibliographic essay**  
**Overview Keynote** – [Bernard Bonin](#)
- ◆ **09:30 - 10:00 – The tectonic regimes of the earliest continents**  
**Junior Keynote** – [Annie M. Bauer](#)
- ◆ 10:30 - 10:45 – Variscan (ultra-)potassic magmatic rocks (Moldanubian Zone, Bohemian Massif): crustally contaminated lithospheric mantle melts showing decoupling of compatible- and incompatible-element isotopic systems during cryptic crustal growth  
[Vojtěch Janoušek](#), Yulia V. Erban Kochergina, John M. Hora, Alexandre V. Andronikov
- ◆ 10:45 - 11:00 – Diachronous collapse of the French Central Massif constrained by high-precision zircon/monazite U-Pb dating of late-orogenic peraluminous magmatism  
[Jin-Hui Yang](#), Jin-Feng Sun, Michel Faure, Yan Chen, Wei Lin, Hao Wang
- ◆ **11:00 - 11:30 – The Pre- and Early Andean granitoids of the SW Gondwana convergent margin (Chile-Argentina, 20°-40°S)**  
**Junior Keynote** – [Verónica Oliveros](#), Paulina Vásquez, Christian Creixell, Javiera González
- ◆ 11:30 - 11:45 – Magmatic diversity in continental rifts: A case study on the Early Tonian, plutono-volcanic Salto da Divisa Complex, Araçuaí Orogen, Eastern Brazil  
[Anderson Victoria](#), Antônio Pedrosa-Soares, Simone Cruz, Cristiano Lana, Elton Dantas, Ivo Dussin, Ramon Borges
- ◆ 11:45 - 12:00 – Granites in the North American Cordillera during the Sevier-Laramide orogeny: The interplay of subduction, collision, and strike-slip faulting  
[Basil Tikoff](#)
- ◆ 12:00 - 12:15 – A magmatic arc legacy 1.5 billion years away : The Oligocene Mount Hillers Intrusive Center (Henry Mtns, Colorado Plateau, USA)  
[Michel de Saint-Blanquat](#), Jean-Louis Paquette, Guillaume Delpech, Eric Horsman, Michel Grégoire, Mathieu Benoit, Sven Morgan, Mouhcine Gannoun, Thierry Menand
- ◆ 12:15 - 12:30 – Understanding Oxygen Isotopes in Cordilleran Batholiths: A 190 Million Year, Top-to-Bottom Perspective from the Sierra Nevada, USA  
[Jade Star Lackey](#)
- ◆ **14:00 - 14:45 – The Lunar Granite Conundrum**  
**Overview Keynote** – [Bradley L. Jolliff](#), Sarah N. Valencia
- ◆ 14:45 - 15:00 – Remote Detection of a Lunar Granitic Batholith at Compton-Belkovich  
[Rita Economos](#), Jianqing Feng, Matthew Siegler, Katelyn Lehman Franco, Timothy Glotch
- ◆ 15:00 - 15:15 – A granitic pluton and felsic volcanism at the Aristarchus Plateau on the Moon  
[Timothy Glotch](#)

### Monday, September 11<sup>th</sup> – Special presentations

- ◆ 15:45 - 16:45 – Introduction to the Ivrea Zone  
[Ivrea Zone field trip leaders](#)
- ◆ 16:45 - 17:00 – ZEISS Digital Classroom: Connected digital microscopy system for teaching  
[ZEISS](#)

### Tuesday, September 12<sup>th</sup> – Genesis of granitic magmas: Competing models, competing processes

- ◆ **08:30 - 09:15 – Field and experimental perspectives on the deep origins of convergent-margin plutonic magmas**  
**Overview Keynote** – [Tom Sisson](#)
- ◆ 09:15 - 09:30 – An explicit solution for magmatic TiO<sub>2</sub> activity from tandem zircon and titanite thermometry  
[Erik Schoonover](#), Michael Ackerson, Joshua Garber, Andrew Smye, Andrew Kylander-Clark, Jesse Reimink
- ◆ 09:30 - 09:45 – Unveiling Complex Reactions During Granitic Magma Interaction: An Experimental Perspective  
[Marize Muniz da Silva](#), Yan Lavallée, Anthony Lamur, Daniel Weidendorfer, François Holtz

- ◆ 09:45 - 10:00 – First identification of intermediate-silicic cumulates in the Emeishan large igneous province, SW China  
Kwan-Nang Pang, Yang Sun, Christina Yan Wang, Sun-Lin Chung, Hao-Yang Lee
- ◆ **10:30 - 11:00 – Nanogranitoids: tiny melts droplets and great insights into the origin and evolution of granites**  
**Junior Keynote – Bruna B. Carvalho**
- ◆ 11:00 - 11:15 – Crustal production in the early Earth: constraints on the sources of water using in-situ oxygen isotopes of zircon from the Archean Lewisian Gneiss Complex  
Fernanda Torres Garcia, Silvia Volante, Annika Dziggel, Maria Rosa Scicchitano, J. Elis Hoffmann, Johann Diener
- ◆ 11:15 - 11:30 – Tracking magmatic hybridization processes with zircon and apatite chemical-isotopic systematics, the case of the Sesia Magmatic System (northern Italy)  
Caliméria Passos do Carmo, Oscar Laurent, Olivier Vanderhaeghe, Andrea Galli, Emilie Bruand, Lorenzo Tavazzani, Abdelmouhcine Gannoun
- ◆ 11:30 - 11:45 – Mafic to hybrid synplutonic dyke magma injection into subvolcanic granitoid magma chamber of Ladakh batholith, Trans-Himalaya, India: constraints from petrology, geochemistry, and zircon U-Pb-Hf isotopes  
Santosh Kumar, Mr. Kapil S Panwar, Dr. Keewook Yi, Dr. Youn-Joong Jeong, Mr. Subhansu Pani
- ◆ 11:45 - 12:00 – Evaluating the role of mafic recharge on the rejuvenation of silicic mushes: A rhyolite-MELTS approach  
Blake Wallrich, Guilherme Gualda, Liam Kelly, Calvin Miller
- ◆ 12:00 - 12:15 – Low pressure crystal accumulation and melt segregation within the Western Adamello tonalite (Italy)  
Thomas Grocolas, Othmar Müntener
- ◆ 12:15 - 12:30 – S-type granites formed by assimilation-fractional crystallization of I-type granites  
Wei Dan, Qiang Wang, Xiu-Zheng Zhang, Gong-Jian Tang
- ◆ **14:00 - 14:45 – Defining Crustal Contributions to Granites through Time**  
**Overview Keynote – Claire E. Bucholz**
- ◆ 14:45 - 15:00 – Not all S-type Granites are Created Equal  
Chris Spencer, Claire Bucholz, Tiago Angelo, Shaoxiong He, Charlie Oldman, Janne Liebmann, Gui-Mei Lu, Jiyuan Yin, Aaron Cavosie, Clare Warren, Nick Roberts
- ◆ 15:00 - 15:15 – Compositional variability of Andean-type magmatism: a model involving subducted mélange and restite entrainment  
Marcos García-Arias, Nathalia Andrea Pineda-Rodríguez, Idael Francisco Blanco Quintero, Matthew Mayne
- ◆ 15:45 - 16:00 – Some granites were hot (>850°C) but most were not (<800°C)  
William Collins, J. Bredan Murphy
- ◆ **16:00 - 16:30 – Constraints on the generation of large felsic batholiths from the liquid lines of descent of arc magmas**  
**Junior Keynote – Benjamin Klein**, Othmar Müntener, Oliver Jagoutz, Max Schmidt, Nico Kueter
- ◆ 16:30 - 16:45 – Sr-Nd-isotopes documenting granite genesis through crystal fractionation without crustal assimilation: the post-collisional Plutons from the Araçuaí belt, SE Brazil  
Clara Onken, Andrea Galli, Andrea Giuliani, Angus Fitzpayne, Bradley Peters, Valdecir Janasi, Max W. Schmidt
- ◆ 16:45 - 17:00 – The formation of granitic rocks in the oceanic crust: Experiments and natural occurrences  
Juergen Koepke, Jasper Berndt-Gerdes, Sandrin Feig, Martin Erdmann, Lennart Fischer

### Thursday, September 14<sup>th</sup> – Architecture of crustal magmatic systems and rate of magmatic processes

- ◆ **08:30 - 09:15 – Small and nimble or big and mushy? On the nature of granitic magma plumbing systems**  
**Overview Keynote – Alexander Cruden**, David Moore, Roberto Weinberg
- ◆ **09:15 - 10:00 – Using microstructural analysis to decode the history of plutonic rocks**  
**Overview Keynote – Marian Holness**
- ◆ **10:30 - 11:00 – The structure and evolution of a lithospheric-scale magma system using geologically-informed seismic images**  
**Junior Keynote – Jonathan R. Delph**
- ◆ 11:00 - 11:15 – Magma defrosting and melt extraction, Ashland pluton, California and Oregon, USA  
Calvin Barnes, Kevin Werts, Melanie Barnes

- ◆ 11:15 - 11:30 – The Generation and Extraction of Arc Andesites and Dacites from a Lower-Crustal Mush Zone, Fiordland, New Zealand  
Joshua Schwartz, Keith Klepeis, Rose Turnbull, Elena Miranda, Richard Jongens, Harold Stowell
- ◆ 11:30 - 11:45 – The role of latent heat buffering in the generation of high-silica rhyolites  
Lorenzo Tavazzani, Rita Economos, Stefano Peres, Gabriella Demarchi, Silvano Sinigoi, Olivier Bachmann
- ◆ 11:45 - 12:00 – A machine learning model to determine pressure and temperature of crustal magmas  
Gregor Weber, Jon Blundy
- ◆ 12:00 - 12:15 – Modeling the rheology of crystal-bearing magmas  
Alain Burgisser, Arthur Pascot, George Bergantz
- ◆ 12:15 - 12:30 – Should I stay or should I blow? Emplacement and eruption of a shallow-crustal granitic magma reservoir – the Reyðarártindur granite pluton, Southeast Iceland  
Steffi Burchardt, Emma Rhodes, Abigail K. Barker, Dave McGarvie, Tobias Schmiedel, Tobias Mattsson, Taylor Witcher, Sonja Greiner, Erika Ronchin
- ◆ **14:00 - 14:45 – Building a trans-crustal magmatic system – the study of the 4<sup>th</sup> dimension**  
**Overview Keynote** – Urs Schaltegger
- ◆ **14:45 - 15:15 – Dynamics and rates of mush growth and disaggregation across magmatic systems: A mineral perspective**  
**Junior Keynote** – Teresa Ubide, John Caulfield, Gideon Rosenbaum
- ◆ 15:45 - 16:00 – Tracking crustal contamination in arc batholiths: the Adamello case study  
Manuel Pimenta Silva, Andrea Giuliani, Urs Schaltegger, Blair Schoene, Peter Ulmer, Othmar Müntener
- ◆ 16:00 - 16:15 – Magmatic evolution of a high-silica subvolcanic magma reservoir: evidences from the Early-Miocene batholith of central Chile (33-34°S)  
Ítalo Payacán, María Alejandra Covarrubias, Nicolás Rodríguez, Lorenzo Tavazzani, Francisco Gutiérrez, Fernando Poblete, Martín Meyer
- ◆ 16:15 - 16:30 – Crystallization and residence of high-silica rhyolite in the Searchlight magmatic system (Nevada, USA)  
Ayla Pamukcu, Sarah Hickernell, Michael Eddy, Blair Schoene, Travis Steiner-Leach
- ◆ 16:30 - 16:45 – Ascent of volatile-rich felsic magma in dikes and formation of crystal magma chambers  
Oleg Melnik, Jonathan Blundy, Alison Rust, Rustam Abdullin, Ilya Bindeman
- ◆ 16:45 - 17:00 – Modeling magma chamber growth and eruption; key processes and recent model developments  
Meredith Townsend, Christian Huber, Kathryn Scholz, Juliana Troch

## Friday, September 15<sup>th</sup> – Fluids in and around granites

- ◆ **08:30 - 09:00 – Rare earth element partitioning and systematics of apatite in silicic magmas**  
**Junior Keynote** – Weiran Li
- ◆ 09:00 - 09:15 – The role of crustal anatexis in porphyry copper ore formation during flat-slab subduction  
Thomas Lamont, Matthew Loader, Nick Roberts, Frances Cooper, Jamie Wilkinson, Dan Bevin, Adam Gorecki, Anthony Kemp, Tim Elliott, Nicholas Gardiner, Robert Loucks
- ◆ 09:15 - 09:30 – Crustal path control during magmatic differentiation and ore mineralization in the Great Basin  
Philipp Ruprecht, Curtis Johnson, Michael Ressel, Shasta Longo, Andrew Siciliano
- ◆ 09:30 - 09:45 – Zircon evidence for super-wet arc magmas  
Chetan Nathwani, Simon Large, Jon Blundy, Matthew Loader, Jamie Wilkinson, Yannick Buret, Lorenzo Tavazzani, Katie McCann, Cyril Chelle-Michou
- ◆ **09:45 - 10:15 – Pegmatites as recorders of the magmatic-hydrothermal transition in silicic magma reservoirs**  
**Junior Keynote** – Juliana Troch, Ludmila Fonseca Teixeira, Olivier Bachmann, Chris Huber, Oscar Laurent, Julien Allaz, Mike Ackerson
- ◆ **10:45 - 11:30 – Fluid flow in, out of, and around cooling intrusions**  
**Overview Keynote** – Thomas Driesner



- ♦ 11:30 - 11:45 – Origin of Li-enriched pegmatites from fluid-present crustal anatexis  
Lorenzo Magnani, Matthew Mayne, Federico Farina
- ♦ 11:45 - 12:00 – Progression of viscous to brittle degassing pathways in the Sandfell laccolith, Eastern Iceland  
Steffi Burchardt, Tobias Mattson, Taylor Witcher
- ♦ 12:00 - 12:30 – **Genesis of magmatic ore deposits by exsolution, concentration and emplacement of immiscible melts: a modelling perspective**  
Junior Keynote – Tobias Keller

### Friday, September 15<sup>th</sup> – Special session “past and future”

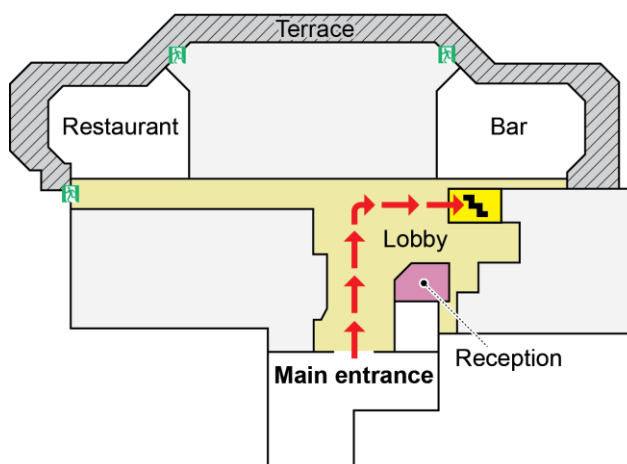
- ♦ 16:15 - 16:45 – 100 years of granite petrology  
William J. Collins
- ♦ 16:45 - 17:15 – Granites & rhyolites, and volcanic-plutonic connections (vs. disconnection?)  
Calvin Miller
- ♦ 17:15 - 17:45 – The formation of the continental crust by crustal distillation: The critical role of phase equilibria  
Peter Ulmer

## Practical information

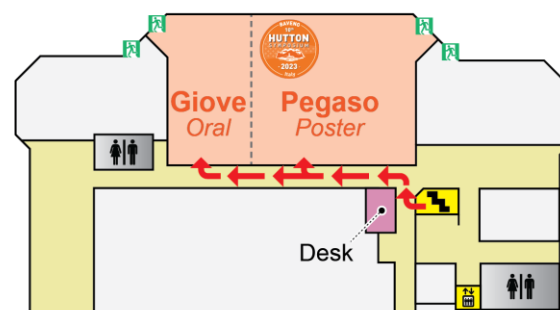
### Venue

The conference is hosted at **Grand Hotel Dino**, Corso Giuseppe Garibaldi 20, 28831 Baveno VB, Italy (see Baveno city map for location). Oral and poster presentations will take place in rooms Giove and Pegaso, respectively, both located in the -1 (garden) floor (see floor plan below).

#### Grand Hotel Dino Main floor (0)



#### Grand Hotel Dino Garden floor (-1)



### Icebreaker

The conference icebreaker starts at **18:00** on **Sunday, September 10<sup>th</sup>** at Hotel Dino. The conference fee includes appetizers and drinks provided by the hotel until 19:30. Later on, food and drinks are to be purchased individually by the participants.

### Coffee and lunch breaks

Coffee breaks take place in the conference room. Drinks and food at coffee breaks are free of charge and provided by Hotel Dino. Lunch breaks are not covered and must be purchased individually by the participants. Baveno offers a choice of restaurants for all tastes and budgets, all located within walking distance of Grand Hotel Dino (see Baveno city map).

## Instructions for authors

### Oral presentations

The **preferred format for oral presentations is 16:9**, either Power Point or PDF. Time slots depend on the type of oral presentation, as always we will kindly ask you to stick to the allocated time to allow the conference to run smoothly:

- ♦ **Overview keynote** speakers are allocated a **45-min slot** (35' presentation + 10' questions);
- ♦ **Junior keynote** speakers are allocated a **30-minute slot** (25' presentation + 5' questions);
- ♦ **Regular** speakers are allocated a **15-minute slot** (12' presentation + 3' questions).

Talks will be recorded and if you agree, we will put them on the website to allow people who missed the conference to still hear them. If you do not agree, of course, we will not diffuse.

### Poster presentations

Poster boards must be printed in **portrait format** and **maximum size of 95 x 150 cm**. In case of a need for last minute printing, there are two printing shops in the surrounding, either in Baveno or Verbania (see useful addresses below). Posters sessions are organized in two batches, Monday and Tuesday for Themes 1 + 2; and Thursday and Friday for Themes 3 + 4 (see program overview). Theme 1 and theme 2 posters can be installed on the Sunday evening (or Monday morning) and will be removed on Wednesday at the latest; Themes 3 and 4 can be put up on Wednesday evening (or Thursday morning) and will stay until Friday early afternoon. Coffee breaks and evening refreshments will be served in the poster room, such that posters will be accessible also outside the time slots for regular poster sessions.

## Mid-conference field trip

The registration fee includes the mid-conference field trip to the **Sesia Magmatic System of the Ivrea-Verbano Zone** (ca. 1 hour drive from Baveno) on Wednesday, 13<sup>th</sup> of September. Meeting point for the beginning of the mid-conference field trip is at **Hotel Dino**, at **08:30 on Wednesday**. An introduction to the field area will be given by the field trip leaders on Monday, 11<sup>th</sup> of September at 15:45; and a field guide will be provided for the trip.

All outcrops are riverbed pavements, reached by very short walks from the parking areas. Therefore, only light field boots or sneakers are sufficient. Make sure you pack a waterproof jacket and enough drinkable water. Lunch packages will be provided. Transportation will be by large buses, every bus accommodating a group of ca. 50 people. Due to the limited size of some outcrops, these will be visited in turn by the different groups.

## Travel information – railway works between Milano and Baveno

There are currently railway works on the Milano – Domodossola train line, such that direct trains between Milano and Baveno are no longer operating. Replacement buses are running to Stresa (with train connections to Baveno); alternative train connections involve several changes (in Sesto Calende and Arona). Importantly, the operations are expected to finish by September 11<sup>th</sup>, such that normal train connections should be resumed for participants that need to reach Milano to leave the conference.

## Social events

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### Wine tasting

Starting time: directly after the mid-conference field trip at about **18:00 on Wednesday, September 13<sup>th</sup>**. It will take place at Cantine dei Colli Novaresi (Fara Novarese). Participants will be transported there and back to Baveno with the field trip buses. Return to Baveno on Wednesday evening is expected around 20:30.

### Conference dinner

The conference dinner is inclusive in the registration fee. It will take place on Thursday, 14<sup>th</sup> of September on the lakeshore of Feriolo di Baveno. Participants will be transported there and back to Baveno through a short boat ride on Maggiore Lake. The meeting point to take the boat is at **19:30 from Hotel Dino**, for a dinner beginning at 20:30.

## Farewell party

On Friday, 15<sup>th</sup> of September, a closing and farewell session will take place **between 18:00 and 19:00**, during which drinks will be served (either in the poster room or in the gardens of Hotel Dino). Proclamation of the vote results for the organization of the next Hutton Symposium and announcement of the best poster awards will happen during this time.



### Activities proposed jointly with the city of Baveno

To make the Hutton X a nice and vibrant experience and promote the beauty and cultural importance of the area, the municipality of Baveno together with the conference organizers offer to all participants a series of events/activities.

The first of these is an “**apericena**” (i.e. aperitif + dinner) with DJ set organized on Friday, 15<sup>th</sup> of September, immediately after the end of the Hutton farewell party. The apericena starts at 19:00 at the **Lido Beach Club** (<https://lidobaveno.it/>), only 400 meters away from Hotel Dino (see Baveno city map). Entrance is free of charge; food and drinks are at cost (buffet with charcuterie, cheese etc., plus a drink, for 15 € per person).

Several outdoor activities are organized on Saturday, 16<sup>th</sup> of September. Therefore, if you do not participate to one of our post-conference field trip, do not miss the opportunity! These are:

- ♦ **1. Mini cruise and visit of Isola Pescatori** – Comparing romanesque jewels. Starting time: 09:45. Meeting point at Granum Museum (see Baveno city map) for a short visit. Visit to the monumental square and the baptistery and mini cruise to the Isola Pescatori with visit to the San Vittore Church. Max. 45 participants – € 7 for the ferry from/to Baveno. The guided tour (English) is offered by the Granum Museum and the municipality of Baveno.
- ♦ **2. The Granum Museum and field trip to the top of the Monte Camoscio** through the Stonecutters path. Starting time 09:00. Meeting point at Granum Museum (see Baveno city map) for a visit, short walk through the town in order to reach the path VM3 (“Stonecutters path”; see Baveno city map) leading to the top of Monte Camoscio. Max. 20 participants. Free of charge. The hiking guide is provided by the Granum Museum and the municipality of Baveno. Type of trekking: intermediate (2 hours, 5.5 km, 600+).
- ♦ **3. Picasass fixed-rope route (via ferrata Picasas)**. Starting time: 09:00. Meeting point at the beginning of the VM3 trail path (see Baveno city map). Two alpine guides will accompany the group and provide the climbing equipment. Cost: € 35 all included. Intermediate (3 hours, 5.0 km, 600+).



For those activities that are not free of cost, the payment can be done on site. If you are interested and want to reserve one of these activities, please contact Federico Farina.



## Code of conduct

As scientists, we take our responsibilities seriously and therefore wish to outline the following code of conduct, outlining our obligations and duties towards other scientists, and other members of our community taking part to the Hutton X. Adherence to this code of conduct is mandatory for all participants to the conference and the organizing committee reserves the right to take any appropriate measure, up and including demanding the offenders to leave the conference immediately.

- ◆ **Responsibilities towards scientific and academic integrity.**

Participants to the conference are expected to follow usual guidelines for professional integrity, including honest and transparent reporting of results, citing of previous work, proper authorship, and no appropriation of other people's work. We expect participants to respectfully attend the presentations and events, without disrupting, as well as photographing or recording without explicit consent.

- ◆ **Responsibilities towards members of the community, present or not at the conference**

A key goal of this Code is to ensure that all members of our community feel welcome and get a sense of belonging. The organizers of Hutton X are therefore committed to provide a professional and welcoming atmosphere in which all participants are treated with courtesy, consideration and respect. We expect all participants to behave in a similarly responsible and respectful manner, by being careful of how their language and actions may impact others.

We also stress that all oral and poster presentations, as well as discussions in the context of the conference, are firmly expected to be free of any comment, joke or image related to ethnicity, geographic provenance, religion, gender, sexual orientation, physical appearance, physical ability, age, career and so forth.

- ◆ **Responsibilities towards the larger public and community**

The Conference is hosted in a small town and we anticipate that participants will take advantage of this setting for social gatherings. We wish to remind all that they should behave with appropriate respect to the local community, in particular with respect to late night noise, damage to property, etc.

## Health and safety

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In case of serious need for immediate assistance on a field trip or during the conference, you may call the universal European emergency number **112** free of charge. In Italy, medical Assistance is provided to anyone in need, regardless of their nationality and without asking for upfront payment. Many services are for free, while for others is requested the payment of fees that are generally very reasonable.

### Nearest hospital

The closest hospital is located in Verbania, ca. 12 km from Baveno: Ospedale "Giuseppe Castelli" di Verbania-Pallanza, Via Fiume 18, 28922 Pallanza VB, Italy – Phone number: +39 0323 5411.

### Physicians

- ◆ Dr. Marco Angelini – Via del Rampolino 6, Stresa. Phone number: +39 (0)323 934791
- ◆ Dr. Chiara Balconi – Via De Martini Carlo 20, Stresa. Phone number: +39 (0)339 392 9138
- ◆ Dr. Patrizia Bortolazzi – Via 17 Martiri 33, Baveno (on Thursdays) or Piazza Possi Felice 3/a (Mondays to Wednesdays), Stresa. Phone number : +39 (0)371 354 4445 or +39 (0)371 332 1465
- ◆ Dr. Laura Cantalupi – Via De Martini Carlo, Stresa. Phone number: +39 (0)346 494 0571
- ◆ Dr. Fiorenzo Nencioni – Via Margaritis 7, Baveno. Phone number: +39 (0)323 924161
- ◆ Dr. Raffaella Zennaro – Via De Martini Carlo, Stresa. Phone number: +39 (0)323 194 5215

### Safety on field trips

By their nature, excursions and field trips involve certain potential risks. Although field leaders will make their best to ensure participant's safety, and in particular issue instructions and advice, ensuring one own's safety remains each participant's responsibility.

In particular, it is to the responsibility of every field trip participant to:

- ◆ Familiarize themselves with the excursion program;
- ◆ Follow the field trip leaders' instructions and directions at all times;

- ♦ Always stay with the group whenever traveling on foot in the field and stopping at outcrops, as some of them are located in potentially hazardous environment (road side, slippery river bed, steep rocky surroundings, etc.);
- ♦ Wear adapted clothing and footwear;
- ♦ Be aware of his/her own physical limits and advise the leaders if he/she wishes to stop;
- ♦ Carry sufficient amounts of drinkable water (some may be provided along with lunch packages but likely not up to the amounts required for a regular day in the field);
- ♦ Advise the leaders about any health problem that may have an impact on his/her physical condition (e.g., asthma, diabetes, epilepsy, vertigo, heart condition, joint and/or back pain, car sickness, allergies, etc.) as well as carry and manage any personal medicine that may be required accordingly;
- ♦ Be in possession of valid travel documents, including visa where required;
- ♦ Behave at all times in a responsible and courteous way toward the other participants and excursion leaders;
- ♦ Inform the excursion leaders before leaving the group.

By participating to a field trip, participants agree to follow these guidelines and to release the organizers of the Conference, including the field trip guides and organizers, from all liability for injury, death or other loss or damage resulting from the participation to the trip, or the travel to or from the excursion.

## Useful addresses

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### Tourist information centre

Piazza della Chiesa 8, 28831 Baveno VB, Italy. Phone number: +39 (0)323 924632 – e-mail: info@bavenoturismo.it – open every day from 9:00 to 12:30 and 15:00 to 18:00.

### Train station

Via Stazione 28, 28831 Baveno VB, Italy. Phone number: +39 (0)323 924523. Direct trains every 1h30 / 2h to Milano (1h45' travel), Domodossola (40' travel), Arona (35' travel), Stresa (3' travel). Milano Malpensa airport can be reached with 1 train change in Busto Arsizio (direction Milano) (ca. 2h15' travel including change).

### Printing shops

- ♦ Bolongaro Cartotecnica – Via Nicola della Casa 35, 28831 Baveno VB, Italy. Phone number: +39 (0)323 924543 – e-mail: promo@bolongaro.it – website: <http://www.bolongaro.it/wordpress/azienda/>
- ♦ La Tecnica Verbania – Via XXV Aprile, Verbania VB, Italy. Phone number: +39 (0)323 402019. e-mail: info@latecnicaverbania.it – website: <http://www.latecnicaverbania.it/>

## Contact information of organizers and helpers

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### Conference coordinators

- ♦ Olivier Bachmann (finance coordinator) – [olivier.bachmann@erdw.ethz.ch](mailto:olivier.bachmann@erdw.ethz.ch)
- ♦ Federico Farina (logistics coordinator) – [federico.farina@unimi.it](mailto:federico.farina@unimi.it)
- ♦ Jean-François Moyen (scientific coordinator) – [jean\\_francois.moyen@uca.fr](mailto:jean_francois.moyen@uca.fr)

### Other executive committee members

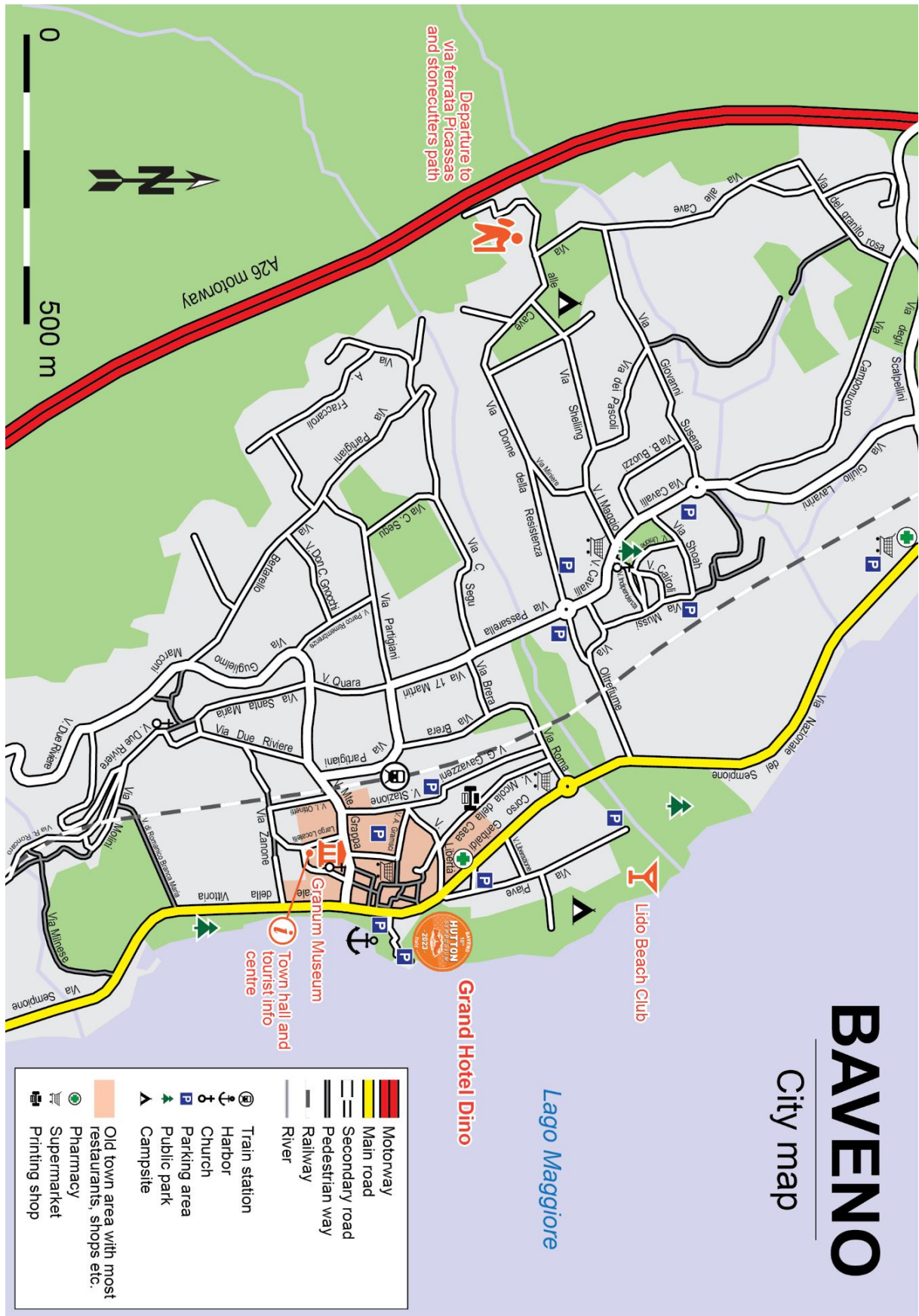
- ♦ Patrizia Fiannacca – [patrizia.fiannacca@unict.it](mailto:patrizia.fiannacca@unict.it)
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### **Conference helpers**

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- ♦ Alessandro De Leo – alessandro.deleo@unimi.it
- ♦ Helena Fest – helena.fest@gmx.de
- ♦ Caliméria Passos do Carmo – calimeria.carmo@get.omp.eu

## Baveno city map



Organizing institutions



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